BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :-Improvements & Asphalting to 9th cross & Other Roads in Bhuvaneshawarinagar in Bagalagunte ward no.14 T.Dasarahalli Sub Division.

			Est. Cost Rs				45.00	Lakhs	
Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 172/ Item No. 21.2/ PWD SR 2012-13**	**Sqm**			Avg				
	9th Cross Bhuvaneshvarinagar		1	398	5.50		2189.0		
	9th main		1	360	6.00		2160.0		
	Basic Rate	2.20					4349.0	2.38	10351.00
	Area Weightage 8%	0.18							
	Total	**2.38**							
2	KSRRB M500-15: Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base confirming to the line, grades and cross-section specified, the compacted layer thickness being 75mm Complete as per specifications. MORTH specification No. 506 **Page No.174/ Item No. 21.16/ PWD SR 2012-13**	**Sqm**							
	9th Cross Bhuvaneshvarinagar		1	398	5.50		2189.0		
	9th main		1	360	6.00		2160.0		
						Total	4349.00		
	Considered 7% of Pot holes						260.94	240.84	62845.00
	Basic Rate	223.00							
	Area Weightage 8%	17.84							
	Total	**240.84**							

3	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 173/ Item No. 21.8/ PWD SR 2012-13**	**Sqm**							
	9th Cross Bhuvaneshvarinagar		1	398	5.50		2189.00		
	9th Main		1	360	6.00		2160.0		
	Basic Rate	15.00					4349.00	16.20	70454.00
	Area Weightage 8%	1.20							
	Total	**16.20**							
4	KSRRB M500-17: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 151/ Item No. 21.20.5/ PWD SR 2012-13**	**Cum**							
	9th Cross Bhuvaneshvarinagar		1	398	5.50	0.025	54.73		
	9th main		1	360	6.00	0.025	54.00		
	Basic Rate	8326.00					108.73	8992.08	977664.00
	Area Weightage 8%	666.08							
	Total	**8992.08**							
5	KSRRB 300-2. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.150/I.19.1 PW, P & IWTD -SR 2012-13)	Cum							
	Desilting of Drains		2	466.00	0.50	0.30	139.80		
							139.80	58.32	8153.00
	Basic Rate	54.00							
	Add Area Weightage 8%	4.32							
	Total	**58.32**							

6	Removing B.S.Slab of drain and stacking etc., complete Page No. 28/ Item No. 5.32/ PWD SR 2012-13	**Sqm**							
	Desilting of Drains		2	466.00	0.90		838.80		
		Consider 60% Qty					503.28	44.47	**22383.00**
	Basic Rate	41.18							
	Add Area Weightage 8%	3.29							
	Total	**44.47**							
7	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2012-13)	Cum							
	Desilting of Drains		2	466.00	0.45	0.15	62.91		
			2	466.00	0.30	0.15	41.94		
	Basic Rate	3597.00					**104.85**	3812.82	**399774.00**
	Add Area Weightage 6%	215.82							
	Total	**3812.82**							
8	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2012-13)	Cum							
	Desilting of Drains		2	466.00	0.45	0.075	31.46		
			2	466.00	0.20	0.10	18.64		
	Basic Rate	4083.00					**50.10**	4327.98	**216810.00**
	Add Area Weightage 6%	244.98							
	Total	**4327.98**							
9	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No.5.33/ PWD SR 2012-13	**Sqm**							
		Qty Vide Iteam No 2					**503.28**		
	Basic Rate	58.33					503.28	63.00	**31705.00**
	Add Area Weightage 8%	4.67							
	Total	**63.00**							

10	Providing Granite slabs selected quality rough, dressed and fixed in cement mortar (1:3) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 28/ Item No. 5.31.1/ PWD SR 2012-13	**Sqm**							
	Desilting of Drains		2	466.00	-	0.90	**838.80**		
		Deduct Availabe Qty Vide Iteam No 2					**503.28**		
	Basic Rate	292.00					335.52	315.36	**105810.00**
	Area Weightage 8%	23.36							
	Total	**315.36**							
11	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 kg/sqm with cement mortar 1:4 masonry (Coin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. Item No. 5.27/ PWD SR 2012-13**	**Sqm**							
	Silting of Drains		2	466.00	0.40		372.80		
	Basic Rate	645.00					372.80	696.60	**259692.00**
	Add Area Weightage 8%	51.60							
	Total	**696.60**							
12	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 127 mm respectively, 400mm high and 1000 mm in length finished with CM 1:3 rendering and finishing cutting, including curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. **Page No. 28/ Item No. 5.30/ PWD SR 2012-13**	Nos							
			4000				4000.00	244.08	**976320.00**
	Basic Rate	**226.00**							
	Add Area Weightage 8%	18.08							
	Total	**244.08**							
13	Supplying and fixing precast rainforced cement slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical edge to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials.	Sqm							X
			2	466.00	0.90		838.80		
	Rates Approved by CE DZ						**838.80**	1600.00	**1342080.00**

11	Lead for Disposal of Debris shall be payable at carage rates be mechanical means - With all lead, lifts, lo ng and unloading charges, cost and conveyance of all matrials, labour, equipments - 4Kmtrs etc.., complete (P.148/I.18.57) PW, P & IWTD SR 2012-13)	Cum					139.80		10937=00
				Qty Vide Item No. 1.5			656.64		
	2 x 1.28 x 4 Kmtrs	10.24		Qty limited to			610.00	78.24	47723.00
		62.20							
	Basic Rate	72.44							
	Add Area Weightage 8%	5.80							
	Total	78.24							
12	Miscellaneous and UnforessenCharges	& L.S						Total	579.00 4500000.00

(Rupees Forty Five Lakhs Fifty thousand Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2012-13
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Project Engineer (West)
K.R.I.D.L. B.B.M.P, Bangalore

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/s

(H) AS 237/12-13 ದಿನಾಂಕ: 28/02/13
.00 lakhs (Rupees Forty lakhs only)

ಬಿಡಿ ಅಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. 75/12-13 ದಿನಾಂಕ: 04/03/2013
ರೂ. 45.00 ಲಕ್ಷಗಳಿಗೆ (ರೂಪಾಯಿಗಳಲ್ಲಿ)
ಅಭ್ಯಾಸವಾದ ಮಾಡಲು
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Chief Engineer
Dasarahalli Zone,
B.B.M.P.